

IN THE CLAIMS:

Please amend the claims as follows:

1 to 39 (Cancelled)

40. (Currently Amended) A method of controlling communication between a base station controller and customer premises equipment, comprising steps of:

selecting, by said base station controller, one or more access points between said base station controller and said customer premises equipment for sending a message;

controlling, by said base station controller, physical parameters and media access control parameters for said one or more access points;

controlling, by said one or more access points, routing and switching of said message to ~~or from~~ said customer premises equipment, wherein said routing and switching by an access point includes said access point determining that said customer premises equipment is a destination for said message; and

sending said message through said one or more access points from said base station controller to said customer premises equipment ~~or from said customer premises equipment to said base station controller.~~

41. (Cancelled)

42. (Previously Presented) A method as in claim 40, further comprising the step of controlling, by said base station controller, quality of service parameters for communication between said base station controller and said access points.

43. (Cancelled)

44. (Previously Presented) A method as in claim 40, further comprising the step of controlling, by said access points, quality of service parameters for communication between said access points and said customer premises equipment.

45. (Previously Presented) A method as in claim 40, wherein said access points include one or more reflectors, each reflector reflecting an electromagnetic signal carrying said message from a first path to a second path.

46. (Previously Presented) A method as in claim 40, wherein said access points include one or more repeaters.

47. (Previously Presented) A method as in claim 40, wherein said access points include one or more routers or switching devices.

48. (Previously Presented) A method as in claim 40, wherein each of said access points includes one or more reflectors, repeaters, or routers or switching devices.

49. (Previously Presented) A method as in claim 40, wherein said step of sending is at least partially wireless.

50. (Currently Amended) A base station controller capable of controlling communication between a base station controller and customer premises equipment, comprising:

wireless communication equipment including at least an antenna and a transmitter and receiver; and

a processor that controls the wireless communication equipment, said processor programmed to perform instructions comprising steps of (a) selecting one or more access points between said base station controller and said customer premises equipment for sending a message, (b) controlling physical parameters and media access control parameters for said one or more access points, and (c) sending said message through said one or more access points to said customer premises equipment ~~or receiving said message from said customer premises equipment through said access points~~, wherein said one or more access points control routing and switching of said message to ~~or from~~ said customer premises equipment; and wherein said routing and switching by an access point includes said access point determining that said customer premises equipment is a destination for said message.

51. (Previously Presented) A base station controller as in claim 50, wherein said instructions further comprise the step of controlling scheduling for communication between said base station controller and said access points.

52. (Previously Presented) A base station controller as in claim 50, wherein said instructions further comprise the step of controlling quality of service parameters for communication between said base station controller and said access points.

53. (Previously Presented) A base station controller as in claim 50, wherein said instructions permit said access points to control scheduling for communication between said access points and said customer premises equipment.

54. (Previously Presented) A base station controller as in claim 50, wherein said instructions permit said access points to control quality of service parameters for communication between said access points and said customer premises equipment.

55. (Currently Amended) A memory storing information including instructions, the instructions executable by a processor of a base station controller to control communication between a base station controller and customer premises equipment, wherein the instructions comprise steps of:

selecting one or more access points between said base station controller and said customer premises equipment for sending a message;

controlling physical parameters and media access control parameters for said one or more access points; and

sending said message through said one or more access points to said customer premises equipment ~~or receiving said message from said customer premises equipment through said access points;~~

wherein said one or more access points control routing and switching of said message to or from said customer premises equipment; and

wherein said routing and switching by an access point includes said access point determining that said customer premises equipment is a destination for said message.

56. (Previously Presented) A memory as in claim 55, wherein said instructions further comprise the step of controlling scheduling for communication between said base station controller and said access points.

57. (Previously Presented) A memory as in claim 55, wherein said instructions further comprise the step of controlling quality of service parameters for communication between said base station controller and said access points.



58. (Previously Presented) A memory as in claim 55, wherein said instructions permit said access points to control scheduling for communication between said access points and said customer premises equipment.

59. (Previously Presented) A memory as in claim 55, wherein said instructions permit said access points to control quality of service parameters for communication between said access points and said customer premises equipment.

60. (Previously Presented) A method as in claim 40, further comprising the step of controlling, by said base station controller or said access points, scheduling for communication between said base station controller and said access points.